

Nº 14.

∅ 5655-

∅ 5672.

Last of P.F. cruise 1910.

Dredge } No. 5655 Date, Dec. 18, 1901
Hydrog. }
Sdg. Mch. Lucas Reel 2 Shot } 60 lbs.
Turns 608 Cor'n Depth 608 fms.
Sdg. Cup Lucas Amt. Bot'm Sample Plentiful.
Character of Bottom Gy M fine S.
Thermom. { Make m. 3 Instr. -18
No. 98244 Cor'n { Stem.
Bottom Reading 40° Cor'd Temp. 39.2
Temp. Surf. { 84° Time 11:00 A.M. Air { 84°
84° Time 11:20 A.M. Air { 84°
Density: Surf. fms.
Wind: Direction Variable Force 2-3
Baromet. 29.94 Amt. of Clouds 4 State of Sea S.
Weather hazy.

Direction and Force of Current. { Surface
Bottom

Tide

General Locality Surf of Boni, Celebes

Tg Taboko N. 7 E. Suluandata

Position Lat. 3° 34' 10" S Long. 120° 50' 30"

Chart used: No. 3616 Ed'n

Drift: Direction 845 E. Distance 1.5

Depth of Haul Bottom

Apparatus and Rig used 12'. Agassiz; 2 wing weights, 1 tail weight 2 glass floats.

Time towing h. 20 m.

Remarks:

Deck Officer Mr. Roberts Recorder H. W. Under
11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	A. M.		M. DOWN.	UP.	A. M.
10 14	30	10 26 30	0	10	30 20	11 53 40
15 30		25 40	100	34 10		17 00
16 25		24 50	200	38 05		46 20
17 20		24 10	300	41 00		43 00
18 20		23 20	400	43 45		39 30
19 20		22 30	500	46 25		36 00
20 10		21 30	600	50 00		32 20
10 20	26	10 21 20	608 700	53 30		28 45
			800	56 35		25 00
			900	11 00	30	11 20 30
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

12

- Bay (w. Tan) 271 E

To Tabako 27 E

13 m

H-4936

Breadge } No. 5 Date, Dec 18, 1949
Hydrog.

Sdg. Mch. Lucas Reel S. Shot 60 lbs.

Turns 667 Cor'n - Depth 667 fms.

Sdg. Cup Lucas Amt. Bot'm Sample enough

Character of Bottom gy. IT

Thermom. { Make JB Instr.
No. 98244 Cor'n { Stem.

Bottom Reading - Cor'd Temp.

Temp. Surf. { 86° Time 2:00 p.m. } Air { 86°
Time

Density: Surf. fms.

Wind: Direction SSE Force 3

Baromet. 29.81 Amt. of Clouds 3 State of Sea S

Weather fog

Direction and Force of Current. { Surface
Bottom

Tide

General Locality Gulf of Boni, Celebes

Tg. Tobako N 4° E - Labuan date

Position 3° 28' S - 120° 45' 40" E.

Chart used: No. 3616 Left Ed'n

Drift: Direction Distance

Depth of Haul No haul

Apparatus and Rig used 12' Agassiz; 2 floats,
2 wing-cts; 1 tailrot and 1 2'
towing from port rail abt. 17 min.

Time towing - h. - m.

Remarks: Thermometer failed to re-
gister. - Sheave in boom out
of order. Had 353 fms. out, but
rove all in. no dredging.

Changed Dr. Net to Hy. Ta.

Deck Officer Mr. Johnson Recorder Frank
11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
133 15	147 20		0	151 50	17 40	
34 15	46 20		100	56 30	14 35	
35 15	45 35		200	200 05	11 50	
36 20	44 50		300	03 15	08 10	
37 25	44 00		353 400	204 30	205 50	
38 35	43 05		500			
39 30	42 10		600			
40 15	41 20	667	700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500	2476		
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

~~133 15~~ (W.E) S.S.E.

Tg Tabako

2476
9 m

Dredge } No. 87656 Date, Dec 19, 1909
Hydrog.

Sdg. Mch. Lucas Reel Lucas Shot
Sdg. Cup Lucas Bot'm 60 lbs.

Turns 484 Cor'n Depth 484 fms.

Sdg. Cup Lucas Amt. Bot'm Sample Plentiful

Character of Bottom soft m.

Thermom. { Make Ag Cor'n { Instr. -18
No. 98244 Stem.

Bottom Reading 42° Cor'd Temp. 41.2

Temp. Surf. { 83° Time 8:17 A. } Air { 80°
83° Time 8:43 A. } 80°

Density: Surf. fms.

Wind: Direction Various Force 0-1

Baromet. 29.92 Amt. of Clouds 6 State of Sea 8

Weather fog

Direction and Force { Surface
of Current. Bottom

Tide

General Locality S. of Boni, Celebes

Lat 0° 67' W. Conspicuous Mt.

Position Lat 3° 17' 40" S. Long. 120° 36' 45"

Chart used: No. 31616 B. Ed'n

Drift: Direction S. 41 W. Distance 1.8

Depth of Haul Bottom

Apparatus and Rig used 12' Agassiz N.R., 2
glass floats, 2 whig weights 1
tail weight.

Time towing h. 5 m.

Remarks:

Deck Officer Mrs Johnson Recorder C. H. Delong
11-1023

M. Hazard H. W. Crider

SOUNDING WIRE.			FMS.	DREDGING CABLE.			
AM.	DOWN.	UP.	AM.	AM.	UP.	AM.	
7	31 50	7 41 50	0	7 50	45	9	21 10
	32 50	40 50	100	35	20	17	40
	33 30	40 00	200	39	16	13	30
	34 50	39 15	300	8 0' 2	30	09	25
	35 45	38 25	400	05	50	05	15
7	36 05	7 37 35	500*	09	20	9	00 40
			600	12	45	56	10
			700	8 16	50	51	20
			750 800	8 22 00		8 42	30
			800 900	*8 37 30			
			1000				
			1100				
			1200				
			1300				
			1400		*	Towed 13 min	
			1500			with 750 fms out	
			1600				
			1700				
			1800				
			1900				
			2000				
			2100				
			2200				
			2300				
			2400				
			2500				
			2600				
			2700				
			2800				
			2900				
			3000				
			3100				
			3200				
			3300				
			3400				
			3500				
			3600				
			3700				
			3800				
			3900				
			4000				
			4100				
			4200				
			4300				
			4400				
			4500				
			4600				
			4700				
			4800				
			4900				

S. 59 W.

Tg along 067 M

14.5

Dredge } No. 5657 Date, Dec. 19th, 1909
Hydrog.

Sdg. Mch. Lucas Reel S Shot } 60 lbs.
Lead

Turns 492 Cor'n Depth 492 fms.

Sdg. Cup Lucas Amt. Bot'm Sample Plentiful

Character of Bottom Gy N

Thermom. { Make N.B. Instr. -1.8
No. 98244 Cor'n Stem.

Bottom Reading 42.1° Cor'd Temp. 41.3

Temp. Surf. { 84° Time 11:08 A.M. Air { 82°
84° Time 11:28 A.M. 82°

Density: Surf. fms.

Wind: Direction N.W. Force 1-

Baromet. 29.93 Amt. of Clouds 4 State of Sea S

Weather hazy.

Direction and Force of Current { Surface
Bottom

Tide

General Locality Gulf of Boni, Celebes
Tg. Lang n. 61 w. Conspicuous m.
Position Lat. 30° 19' 40" S Long. 120° 36' 30" E

Chart used: No. 3616 Ed'n

Drift: Direction S. 19 W. Distance 2.0

Depth of Haul Bottom

Apparatus and Rig used As before

Time towing h. 20 m.

Remarks:

Deck Officer Mr. Hazard Recorder H. W. Conder
11-1023

SOUNDING WIRE.				FMS.	DREDGING CABLE.							
A M.	DOWN.	UP.	A M.		A M.	DOWN.	UP.	A M.				
10	24	20	10	34	40	0	10	38	20	11	56	25
25	20		33	50		100	42	30		53	25	
26	15		33	00		200	46	05		49	00	
27	10		32	10		300	49	45		45	10	
28	10		31	15		400	53	15		41	20	
10	29	.05	10	30	03	492500	57	00		37	40	
						600	11	00	45		34	00
						700		05	05		30	15
						748800	11	08	00	11	28	00
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
						3400						
						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

S. 64 W.

Tg Olong

R 61 O

15.5

Dredge No. Date, 19

Hydrog. Sdg. Mch. Reel Shot} lbs.

Turns 510 Cor'n Depth 510 fms.

Sdg. Cup Amt. Bot'm Sample Cuts

Character of Bottom

Thermom. { Make Cor'n Instr.
No. 28744 Cor'n Stem.

Bottom Reading 47° Cor'd Temp. 47.5

Temp. Surf. { 85° Time 2:25 P.M. Air } 82
85° Time 2:45 P.M. 62

Density: Surf. fms.

Wind: Direction East Force 2 - 3

Baromet. 29.82 Amt. of Clouds State of Sea

Weather

Direction and Force { Surface
of Current. Bottom

Tide

General Locality

Position

Chart used: No. 36 Rd'n

Drift: Direction SSW Distance

Depth of Haul Bottom

Apparatus and Rig used

Time towing h. 20 m.

Remarks:

Sec. 1000 ft. on first

Position in the same

Sec. 1000 ft. on second

Position in the same

Sec. 1000 ft. on third

Position in the same

Sec. 1000 ft. on fourth

Position in the same

Sec. 1000 ft. on fifth

Position in the same

Sec. 1000 ft. on sixth

Position in the same

Sec. 1000 ft. on seventh

Position in the same

Sec. 1000 ft. on eighth

Position in the same

Sec. 1000 ft. on ninth

Position in the same

Sec. 1000 ft. on tenth

Position in the same

Sec. 1000 ft. on eleventh

Position in the same

Sec. 1000 ft. on twelfth

Position in the same

Sec. 1000 ft. on thirteenth

Position in the same

Sec. 1000 ft. on fourteenth

Position in the same

Sec. 1000 ft. on fifteenth

Position in the same

Sec. 1000 ft. on sixteenth

Position in the same

Sec. 1000 ft. on seventeenth

Position in the same

Sec. 1000 ft. on eighteenth

Position in the same

Sec. 1000 ft. on nineteenth

Position in the same

Sec. 1000 ft. on twentieth

Position in the same

Sec. 1000 ft. on twenty-first

Position in the same

Sec. 1000 ft. on twenty-second

Position in the same

Sec. 1000 ft. on twenty-third

Position in the same

Sec. 1000 ft. on twenty-fourth

Position in the same

Sec. 1000 ft. on twenty-fifth

Position in the same

Sec. 1000 ft. on twenty-sixth

Position in the same

Sec. 1000 ft. on twenty-seventh

Position in the same

Sec. 1000 ft. on twenty-eighth

Position in the same

Sec. 1000 ft. on twenty-ninth

Position in the same

Sec. 1000 ft. on thirty-first

Position in the same

Sec. 1000 ft. on thirty-second

Position in the same

Sec. 1000 ft. on thirty-third

Position in the same

Sec. 1000 ft. on thirty-fourth

Position in the same

Sec. 1000 ft. on thirty-fifth

Position in the same

Sec. 1000 ft. on thirty-sixth

Position in the same

Sec. 1000 ft. on thirty-seventh

Position in the same

Sec. 1000 ft. on thirty-eighth

Position in the same

Sec. 1000 ft. on thirty-ninth

Position in the same

Sec. 1000 ft. on forty-first

Position in the same

Sec. 1000 ft. on forty-second

Position in the same

Sec. 1000 ft. on forty-third

Position in the same

Sec. 1000 ft. on forty-fourth

Position in the same

Sec. 1000 ft. on forty-fifth

Position in the same

Sec. 1000 ft. on forty-sixth

Position in the same

Sec. 1000 ft. on forty-seventh

Position in the same

Sec. 1000 ft. on forty-eighth

Position in the same

Sec. 1000 ft. on forty-ninth

Position in the same

Sec. 1000 ft. on fifty-first

Position in the same

Sec. 1000 ft. on fifty-second

Position in the same

Sec. 1000 ft. on fifty-third

Position in the same

Sec. 1000 ft. on fifty-fourth

Position in the same

Sec. 1000 ft. on fifty-fifth

Position in the same

Sec. 1000 ft. on fifty-sixth

Position in the same

Sec. 1000 ft. on fifty-seventh

Position in the same

Sec. 1000 ft. on fifty-eighth

Position in the same

Sec. 1000 ft. on fifty-ninth

Position in the same

Sec. 1000 ft. on sixty-first

Position in the same

Sec. 1000 ft. on sixty-second

Position in the same

Sec. 1000 ft. on sixty-third

Position in the same

Sec. 1000 ft. on sixty-fourth

Position in the same

Sec. 1000 ft. on sixty-fifth

Position in the same

Sec. 1000 ft. on sixty-sixth

Position in the same

Sec. 1000 ft. on sixty-seventh

Position in the same

Sec. 1000 ft. on sixty-eighth

Position in the same

Sec. 1000 ft. on sixty-ninth

Position in the same

Sec. 1000 ft. on seventy-first

Position in the same

Sec. 1000 ft. on seventy-second

Position in the same

Sec. 1000 ft. on seventy-third

Position in the same

Sec. 1000 ft. on seventy-fourth

Position in the same

Sec. 1000 ft. on seventy-fifth

Position in the same

Sec. 1000 ft. on seventy-sixth

Position in the same

Sec. 1000 ft. on seventy-seventh

Position in the same

Sec. 1000 ft. on seventy-eighth

Position in the same

Sec. 1000 ft. on seventy-ninth

Position in the same

Sec. 1000 ft. on eighty-first

Position in the same

Sec. 1000 ft. on eighty-second

Position in the same

Sec. 1000 ft. on eighty-third

Position in the same

Sec. 1000 ft. on eighty-fourth

Position in the same

Sec. 1000 ft. on eighty-fifth

Position in the same

Sec. 1000 ft. on eighty-sixth

Position in the same

Sec. 1000 ft. on eighty-seventh

Position in the same

Sec. 1000 ft. on eighty-eighth

Position in the same

Sec. 1000 ft. on eighty-ninth

Position in the same

Sec. 1000 ft. on ninety-first

Position in the same

Sec. 1000 ft. on ninety-second

Position in the same

Sec. 1000 ft. on ninety-third

Position in the same

Sec. 1000 ft. on ninety-fourth

Position in the same

Sec. 1000 ft. on ninety-fifth

Position in the same

Sec. 1000 ft. on ninety-sixth

Position in the same

Sec. 1000 ft. on ninety-seventh

Position in the same

Sec. 1000 ft. on ninety-eighth

Position in the same

Sec. 1000 ft. on ninety-ninth

Position in the same

Sec. 1000 ft. on one hundred

Position in the same

Sec. 1000 ft. on one hundred and one

Position in the same

Sec. 1000 ft. on one hundred and two

Position in the same

Sec. 1000 ft. on one hundred and three

Position in the same

Sec. 1000 ft. on one hundred and four

Position in the same

Sec. 1000 ft. on one hundred and five

Position in the same

Sec. 1000 ft. on one hundred and six

Position in the same

Sec. 1000 ft. on one hundred and seven

Position in the same

Sec. 1000 ft. on one hundred and eight

Position in the same

Sec. 1000 ft. on one hundred and nine

Position in the same

Sec. 1000 ft. on one hundred and ten

Position in the same

Sec. 1000 ft. on one hundred and eleven

Position in the same

Sec. 1000 ft. on one hundred and twelve

Position in the same

Sec. 1000 ft. on one hundred and thirteen

Position in the same

Sec. 1000 ft. on one hundred and fourteen

Position in the same

Sec. 1000 ft. on one hundred and fifteen

Position in the same

Sec. 1000 ft. on one hundred and sixteen

Position in the same

Sec. 1000 ft. on one hundred and seventeen

Position in the same

Sec. 1000 ft. on one hundred and eighteen

Position in the same

Sec. 1000 ft. on one hundred and nineteen

Position in the same

Sec. 1000 ft. on one hundred and twenty

Position in the same

Sec. 1000 ft. on one hundred and twenty-one

Position in the same

Sec. 1000 ft. on one hundred and twenty-two

Position in the same

Sec. 1000 ft. on one hundred and twenty-three

Position in the same

Sec. 1000 ft. on one hundred and twenty-four

Position in the same

Sec. 1000 ft. on one hundred and twenty-five

Position in the same

Sec. 1000 ft. on one hundred and twenty-six

Position in the same

Sec. 1000 ft. on one hundred and twenty-seven

Position in the same

Sec. 1000 ft. on one hundred and twenty-eight

Position in the same

Sec. 1000 ft. on one hundred and twenty-nine

Position in the same

Sec. 1000 ft. on one hundred and thirty

Position in the same

Sec. 1000 ft. on one hundred and thirty-one

Position in the same

Sec. 1000 ft. on one hundred and thirty-two

Position in the same

Sec. 1000 ft. on one hundred and thirty-three

Position in the same

Sec. 1000 ft. on one hundred and thirty-four

Position in the same

Sec. 1000 ft. on one hundred and thirty-five

Position in the same

Sec. 1000 ft. on one hundred and thirty-six

Position in the same

Sec. 1000 ft. on one hundred and thirty-seven

Position in the same

Sec. 1000 ft. on one hundred and thirty-eight

Position in the same

Sec. 1000 ft. on one hundred and thirty-nine

Position in the same

Sec. 1000 ft. on one hundred and forty

Position in the same

Sec. 1000 ft. on one hundred and forty-one

Position in the same

Sec. 1000 ft. on one hundred and forty-two

Position in the same

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge No. 1 Date, 190

Sdg. Mch. 100 lbs Reel 100 lbs Shot Lead lbs.

Turns 22 Cor'n Depth 70 fms.

Sdg. Cup 100 Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr.
No. 98244 Cor'n { Stem.

Bottom Reading 39.6 Cor'd Temp. 39.

Temp. Surf. { Time 6:00 } Air { 43°
82° Time 7:23 } 43°

Density: Surf. fms.

Wind: Direction NNE Force 0 = 1

Baromet. 29.90 Amt. of Clouds 2 State of Sea 28

Weather

Direction and Force { Surface
of Current. { Bottom

Tide

General Locality

Position 33° 30' S 170° 10' E

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.				FMS.	DREDGING CABLE.							
M. DOWN.	UP.	C. M.			M. DOWN.	UP.	C. M.					
6	03	35	6	17	45	0	6	20	00	7	35	35
	07	50		16	35	100		24	25		67	50
	05	40		16	05	200		28	00		48	25
	06	50		15	20	300		31	30		45	00
	07	35		14	35	400		34	55		41	40
						500		2	35		42	35
						600						
						700		6	15		32	40
						800		6	15		32	40
						900		52	15		22	40
						1000		6	35		1	1
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
						3400						
						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

H 1111
Deedate } No. 325 Date, 12th June, 1921
Hydrog. }

Sdg. Mch. Focas Reel Used Shot } 60 lbs.

Turns 6 Cor'n Depth 88.5 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom Cray M

Thermom. { Make Y 13 Instr. - 8
No. 68244 Cor'n Stem.

Bottom Reading 39° Cor'd Temp. 38.2

Temp. Surf. { Time Air
Time

Density: Surf. fms.

Wind: Direction Variable Force 1

Baromet. 29.91 Amt. of Clouds 3 State of Sea S

Weather fog

Direction and Force { Surface
of Current. Bottom

Tide

General Locality /

Position 32° 50' N. 176° 10' E.

Position 32° 50' N. 176° 10' E.

Chart used: No. 36.1 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.
Remarks: 11 1/2

Deck Officer Recorder 11-1023

Dredge } No. 560 Date, Dec. 20th, 1919
Dredge } Reel Shot } lbs.
Sdg. Mech. Cor'n Depth 6.12 fms.
Turns Cor'n Amt. Bot'm Sample
Sdg. Cup Cor'n
Character of Bottom C. H. S.
Thermom. { Make Instr. ~ 8
No. 9 Cor'n { Stem.
Bottom Reading 40° Cor'd Temp. 39.2
Temp. Surf. { 83° Time 10:06 A.M. Air { 83°
83° Time 10:26 A.M. 82°
Density: Surf. fms.
Wind: Direction Variable Force 1-2
Baromet. 29.91 Amt. of Clouds 3 State of Sea S.
Weather

Direction and Force of Current { Surface
Bottom

Tide

General Locality 38° 36' S. 120° 30' E.
Position 5° 36' S 120° 30' E.

Chart used: No. 3616 BA Ed'n

Drift: Direction 15° Distance 1.8

Depth of Haul Bottom

Apparatus and Rig used

Time towing h. m. s.

Remarks:

Deck Officer D. J. ... Recorder J. ... 11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
0745	9	2045	0	9	2500	110600
68		1955	100	3010	110150	
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge No. 100 Date, Aug 20, 1915

Dsg. Mch. Dredge Reel Shot lbs.

Turns 180 Cor'n - Depth 180 fms.

Dsg. Cup Im. Bot'm Sample

Character of Bottom

Thermom. { Make T.P. Cor'n { Instr. 21.7
No. Stem.

Bottom Reading 51.2° Cor'd Temp. 50.5

Temp. Surf. { 83° Time 4:25 P.M. } Air { 86°
Time

Density: Surf. fms.

Wind: Direction WSW Force ✓

Baromet. Amt. of Clouds State of Sea

Weather Fog

Direction and Force of Current { Surface
Bottom

Tide

General Locality Eleuthera

Lat. 21° 10' N. Long. 70° 45' W.

Position 49° S. - 120° 24' - 30.5

Chart used: No. 3616 Ed'n -

Drift: Direction 050° Distance

Depth of Haul Bottom

Apparatus and Rig used 12' Dredge

Remarks: Tid

Time towing h. m.

Deck Officer Recorder

SOUNDING WIRE.

M. Down. | UP. | M.

104	20	, 06.45
200		15.28

FMS.

FMS.

DREDGING CABLE.

M. Down. | UP. | M.

0		
100	15.55	34.45
200		
300	4.24.10	4.26.45
400		
500		
600		
700		
800		
900		
1000		
1100		
1200		
1300		
1400		
1500		
1600		
1700		
1800		
1900		
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2200		
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3600		
3700		
3800		
3900		
4000		
4100		
4200		
4300		
4400		
4500		
4600		
4700		
4800		
4900		

Dredge } No. 5 Date, 19

Hydrog } Reel Fresh Shot } 66 lbs.

Sdg. Mch. Line Cor'n Depth 2011 fms.

Sdg. Cup Line Amt. Bot'm Sample None

Character of Bottom

Thermom. { Make J. Instr. - 7
No. 98244 Cor'n Stem.

Bottom Reading 49.5° Cor'd Temp.

Temp. Surf. { 55° Time 5:50 P.M.
83° Time 6:30 P.M. Air

Density: Surf. fms.

Wind: Direction N.W. Force 1

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force of Current { Surface
Bottom

Tide

General Locality Tg. Lizard 1° S.

Position 13° 20' S 17° 18' E

Chart used: No. 1 Ed'n V

Drift: Direction West Distance 10 miles

Depth of Haul Bottom

Apparatus and Rig used 12' G

Time towing? h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.

FMS.

DREDGING CABLE.

M.	Down.	Up.	M.
6	68 00	42 45	
38	55	42 00	
69	50	41 25	
0 00	6	41 00	211
			400
			366
			400
			500
			600
			700
			800
			900
			1000
			1100
			1200
			1300
			1400
			1500
			1600
			1700
			1800
			1900
			2000
			2100
			2200
			2300
			2400
			2500
			2600
			2700
			2800
			2900
			3000
			3100
			3200
			3300
			3400
			3500
			3600
			3700
			3800
			3900
			4000
			4100
			4200
			4300
			4400
			4500
			4600
			4700
			4800
			4900

M.	Down.	Up.	M.
0	5	49 30	6
100	53	45	37
200	57	30	33
300	6	02 50	29
400	6	03 50	
500			
600			
700			
800			
900			
1000			
1100			
1200			
1300			
1400			
1500			
1600			
1700			
1800			
1900			
2000			
2100			
2200			
2300			
2400			
2500			
2600			
2700			
2800			
2900			
3000			
3100			
3200			
3300			
3400			
3500			
3600			
3700			
3800			
3900			
4000			
4100			
4200			
4300			
4400			
4500			
4600			
4700			
4800			
4900			

Dredge No. 2 Date, Jan 19, 19

Sdg. Mch. Stand in board Reel Shot Lead lbs.

Turns Cor'n Depth 10 fms.

Side Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 84° Time 7:20 P.M. } Air { 83
83 Time 6:00 A.M. }

Density: Surf. fms.

Wind: Direction Force

Baromet. 29.944 Amt. of Clouds State of Sea

Weather

Direction and Force { Surface
of Current. Bottom

Tide

General Locality N.E. of Cape Cod

Position Lat. 41° 45' N. Long. 70° 45' W.

Chart used: No. 12 Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing 1 h. m.

Remarks:

Deck Officer Recorder

11-1023

SOUNDING WIRE.

M. DOWN. | UP. M.

FMS.

DREDGING CABLE.

M. DOWN. | UP. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

SOUNDING WIRE.

M. DOWN.	UP.	M.
108	65	18' 00
9	6	10' 09

FMS.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

DREDGING CABLE.

M. DOWN.	UP.	M.
11	10	22' 00
29	15	19' 40
36	40	12' 40
49	25	09' 00

84
4, 1776 A.

Dredge No. 475 Date, Jan 26, 1929

Sdg. Mch. 200 lbs Reel 100 ft Shot Leads 1 lbs.

Turns 100 fms Cor'n Depth 100 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom M.

Thermom. { Make Instr.
No. 95244 Cor'n Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 82° Time 2:10 } Air { 80°
50° Time 3:20 }

Density: Surf. 39° fms.

Wind: Direction N. Force 3

Batromet. Amt. of Clouds 9 State of Sea

Weather

Direction and Force of Current { Surface
Bottom

Tide

General Locality No 1

Mafias Island

Position

Chart used: No. RA 2637 Ed'n.

Drift: Direction SSW Distance

Depth of Haul bottom

Apparatus and Rig used

100 ft. wire, 2 way sweep net

empty net

Time towing h. 10 m.

Remarks

(No Dredging)

Deck Officer J. C. Director of Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
41 80	39 85		100	07 10	82 88	
42 50	39 05		200	10 10	50 14	
43 40	38 20		300	10 10	47 10	
44 35	37 30		400	19 10	44 00	
45 35	36 50		500	22 05	41 00	
46 40	35 50		600	26 50	37 50	
47 50	34 55		700	30 20	34 35	
48 00	34 20		800	34 55	31 30	
			900			
17 00			1000			
17 00			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 156 Date, Oct 1, 1914
Hydrog. }

Sdg. Mch. 100 Reel Shot } lbs.

Turns 72 Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample 17 Lbs. 1/2

Character of Bottom

Thermom. { Make Y.A. Cor'n { Instr.
No. 98244 Stem.

Bottom Reading 48.2° Cor'd Temp. 47.5

Temp. Surf. { 82° Time 9:33 A.M. Air }

Density: Surf. fms.

Wind: Direction Force

Baromet. 29.97 Amt. of Clouds 8 State of Sea

Weather 6-8

Direction and Force { Surface
of Current. Bottom

Tide

General Locality, 12 miles S. W. of Island

Position 12° 54' S. 33° 11' W. 1000 fms.

Chart used: No. B. A. 2607 Rd'n

Drift: Direction 30° 30' E. Distance 1.5 m.

Depth of Haul 10

Apparatus and Rig used - 100 lbs. 2 fms.

Time towing hr. m.

Remarks:

SOUNDING WIRE.

M. DOWN.	UP.	M.
8	36	40
	8	42
	30	20
	40	40
8	40	00
	00	12
	72	300

FMS.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

DREDGING CABLE.

M. DOWN.	UP.	M.
8	1	46
	2	3
	9	45
	1	47

Dredge } No. 1 Date, Oct 19
Hydrog. }
Sdg. Mch. Reel Shot
Turns 367 Cor'n Depth 367 fms.
Sdg. Cup Amt. Bot'm Sample P.M. H.M.
Character of Bottom
Thermom. { Make N.B. Instr.
No. 9824 Stem.
Bottom Reading 42.4° Cor'd Temp. 41.7
Temp. Surf. { 83° Time / Air 82.5°
Wind: Direction Force
Baromet. 30.00 Amt. of Clouds 8 State of Sea
Weather
Density: Surf. fms.

Direction and Force { Surface
of Current. Bottom

Tide

General Locality

Position

Chart used: No. 1 Ed'n

Drift: Direction N. 34 W.

Distance 1.5

Depth of Haul Bottom

Apparatus and Rig used As before

Time towing h. m.

Remarks:

Deck Officer

Recorder

11-1023

SOUNDING WIRE.

M.	DOWN.	UP.	M.
52	00	9	59 00
52	45		58 15
53	30		57 30
54	30		56 45
55	00	9	56 00
			36 7400
			500
			575600

FMS.

0	10	02	45	11	06	30
100	07	20	11	01	25	
200	11	20		58	15	
300	14	50		55	15	
400	18	25		52	05	
500	21	45		48	35	
575600	10	25	30	10	45	15
700						
800						
900						
1000						
1100						
1200						
1300						
1400						
1500						
1600						
1700						
1800						
1900						
2000						
2100						
2200						
2300						
2400						
2500						
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2700						
2800						
2900						
3000						
3100						
3200						
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3600						
3700						
3800						
3900						
4000						
4100						
4200						
4300						
4400						
4500						
4600						
4700						
4800						
4900						

DREDGING CABLE.

M.	DOWN.	UP.	M.
10	02	45	11
07	20	11	01
11	20		58
14	50		55
18	25		52
21	45		48
10	25	30	10
45			45
15			15

Dredge } No. 762 Date, Dec. 25, 1951
Hydrog. }
Sdg. Mch. Dimeas Reel L Shot heads 65 lbs.

Turns 901 Cor'n — Depth fms.

Sdg. Cup L Amt. Bot'm Sample C. 11

Character of Bottom gy. ST

Thermom. { Make 147 Cor'n { Instr. ...
No. 98244 Cor'n { Stem.

Bottom Reading 139° Cor'd Temp. 38.2

Temp. Surf. { 63° Time 4:12 Air { 81°
Time

Density: Surf. fms.

Wind: Direction N.W. Force 1-2

Baromet. 29.84 Amt. of Clouds 9 State of Sea S

Weather

Direction and Force { Surface
of Current. { Bottom

Title

General Locality

Position 118° 45' E

Chart used: No. 6 Ed'n

Drift: Direction 247° E Distance 1.5 mi.

Depth of Haul 10 fms.

Apparatus and Rig used 10 ft. dredge, 10 ft. net, 10 ft. trawl

Time towing h. 12 m.
Remarks: Gid. 21 not deleted.

Deck Officer Recorder 7011-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
32 35	3 51 45		0	3 52 10 5	47 15	
32 35	3 52 55		100			
34 30	49 35		200	04 10	41 10	
35 30	49		300			
35 30	47 35		400			
35 30	47		500			
38 25	46 00		600	19 00	29 40	
39 25	46		700			
			800			
41 30	45 00		900	29 05	20 15	
41 30	45		1000			
			1100	36 15	19 55	
			1200	39 55	10 20	
			1300	44 00	07 10	
			1400	44 00 50	05 05	00
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Bromsgrove

Dredge No. 567 Date, Oct 20, 1911
Hydrog. Reel Shot Lead lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 84° Time 7:30
Time } Star

Density: Surf. fms.

Wind: Direction N.W. Force 2+

Baromet. 29.9 Amt. of Clouds 9 State of Sea

Weather Calm

Direction and Force { Surface
of Current. Bottom

Tide

General Locality Scallop ground off Gloucester

Obst. none

Position

Chart used: No. B6267 Ed'n

Drift: Direction N.E. Distance 10 miles

Depth of Haul 5 fms.

Apparatus and Rig used 10' 4" 10' 4"

Time towing h. 24 m.

Remarks:

Deck Officer J. C. Dyer Recorder 11-1023

SOUNDING WIRE.		FMS.	DREDGING CABLE.	
M. DOWN.	UP.	M.	P	M. DOWN.
		0		250 C
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
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		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		
		4100		
		4200		
		4300		
		4400		
		4500		
		4600		
		4700		
		4800		
		4900		

Dredge No. 1 Date, 19
 Hydrog. Sdg. Mech. Success Reel 7 Shot 60 lbs.
 Turns 118 Cor'n Depth 118 fms.
 Sdg. Cup Amt. Bot'm Sample
 Character of Bottom
 Thermom. Make Instr. Cor'n Stem.
 No. 98244 Cor'd Temp. 38.2
 Bottom Reading 39°
 Temp. Surf. 82° Time 8:20 a.m. Air 82°
 Wind: Direction Variable Force 1 - 3
 Baromet. 29.8 Amt. of Clouds State of Sea
 Weather foggy

*Direction and Force
of Current.* { *Surface*
 Bottom

Tidsskrift

General Locality

Position

Chart used : No. 1 Ed'n / 1911

Drift: Direction *Distance*

Depth of Haul *8 fms.*

Apparatus and Rig used

Time towing hr. min.

Remarks:

Derek Oliver

Leverden

SOUNDING WIRE.

M. DOWN.	UP.	M.
351	351	55
28	14	10

FMS.

DREDGING CABLE.

M. DOWN.	UP.	M.
0	2	0
100	23	50

200
300
400
500
600
700
800
900
1000
1100
\$11200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

0 00

V

Dredge } No. 4767 Date, Oct. 10, 1917
Hydrog. }
Sdg. Mch. 1000 ft. Reel 5000 ft. Shot } 6 lbs.
Turns 960 Cor'n — Depth 960 fms.
Sdg. Cup 1000 Amt. Bot'm Sample
Character of Bottom good soil

Thermom. { Make Tif. Cor'n { Instr. Stem.
No. 95644

Bottom Reading 39° Cor'd Temp. 38.2

Temp. Surf. { 84° Time 1:00 Air
84° Time 2:30

Density: Surf. fms.

Wind: Direction N. Force 1-2

Baromet. 29.81 Amt. of Clouds 15 State of Sea 28

Weather very

Direction and Force { Surface
of Current. Bottom

Tide

General Locality

Position

Chart used: No. 861941 Ed'n

Drift: Direction 0° 70' O Distance

Depth of Haul

Apparatus and Rig used 12' Agassiz

Time towing h. 3 m.

Remarks:

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
M.	DOWN.	UP.	M.		M.	DOWN.	UP.	M.
12	32	15	12	5	1	15	0	12
33	10	15	0	10	100	58	00	2
34	05	49	30	200	59	20	52	20
35	05	48	40	300	102	30	49	10
36	10	48	00	400	97	10	46	00
36	15	47	15	500	10	75	42	45
37	20	46	30	600	18	30	36	20
38	25	45	40	700	21	-	31	-
39	30	44	50	800	24	35	29	45
40	45	43	05	900	27	80	26	20
12	41	30	12	42	30	960	1000	1
					81	00	28	0
				1100	-	-	17	-
				1200	38	30	16	25
				1300	41	25	13	00
				1400	1	48	30	2
				1500			08	30
				1600				
				1700				
				1800				
				1900				
				2000				
				2100				
				2200				
				2300				
				2400				
				2500				
				2600				
				2700				
				2800				
				2900				
				3000				
				3100				
				3200				
				3300				
				3400				
				3500				
				3600				
				3700				
				3800				
				3900				
				4000				
				4100				
				4200				
				4300				
				4400				
				4500				
				4600				
				4700				
				4800				
				4900				

Dredge	No.	Date,	, 19
Hydrog.			
Sdg. Mch.		Reel	Shot Lead}
Turns	Cor'n	Depth	fms.
Sdg. Cup		Amt. Bot'm Sample	
Character of Bottom			
Thermom.	Make		Instr.
	No.		Cor'n
			Stem.
Bottom Reading		Cor'd. Temp.	
Temp. Surf.		Time	
		Time	Surf.
Density: Surf.			fms.
Wind: Direction		Force	
Baromet.	Alt.	Amt. of Clouds	State of Sea
Weather			

Direction and Force of Current } Surface
Bottom

Tide

General Locality Malacca

Position

Chart used: No. / Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Wind direction and force of current

Time towing h. m.

Remarks:

Deck Officer Mr. A. J. and Recorder A. J. C. 11-10.23

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
			0	7	26	00
100	100		/	7	26	30
200				7	47	40
300				7	46	30
400						
500						
600						
700						
800						
900						
1000						
1100						
1200						
1300						
1400						
1500						
1600						
1700						
1800						
1900						
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2600						
2700						
2800						
2900						
3000						
3100						
3200						
3300						
3400						
3500						
3600						
3700						
3800						
3900						
4000						
4100						
4200						
4300						
4400						
4500						
4600						
4700						
4800						
4900						

Dredge } No. _____ Date, _____, 19 ..
Hydrog. }

Sdg. Mch. _____ Reel _____ Shot } Lead } lbs.

Turns _____ Cor'n _____ Depth _____ fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { Time _____ } Air {
 { Time _____ }

Density: Surf. fms.

Wind: Direction _____ Force _____

Baromet. _____ Amt. of Clouds _____ State of Sea _____

Weather _____

Direction and Force { Surface _____
of Current. { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n. _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks

The amt. of wire left on dredging reel 46 85 fms.
after subtraction of amts.
lost from the original
6000.

Deck Officer _____ Recorder _____

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. ----- Date, -----, 19-----

Hydrog. } Reel ----- Shot } Lead ----- lbs.

Sdg. Mch. ----- Cor'n ----- Depth ----- fms.

Sdg. Cup ----- Amt. Bot'm Sample -----

Character of Bottom -----

Thermom. { Make ----- Cor'n { Instr. -----
No. ----- Stem. -----

Bottom Reading ----- Cor'd. Temp. -----

Temp. Surf. { Time ----- Air { -----
Time ----- -----

Density: Surf. ----- fms.

Wind: Direction ----- Force -----

Baromet. ----- Amt. of Clouds ----- State of Sea -----

Weather -----

Direction and Force { Surface -----
of Current. Bottom -----

Tide -----

General Locality -----

Position -----

Chart used: No. ----- Ed'n. -----

Drift: Direction ----- Distance -----

Depth of Haul -----

Apparatus and Rig used -----

Time towing ----- hr. ----- m.

Remarks: -----

Deck Officer ----- Recorder -----

SOUNDING WIRE.

M. DOWN. UP. M.

FMS.

DREDGING CABLE.

M. DOWN. UP. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. Date, , 19 . . .

Hydrog. } Reel Shot } Lead lbs. . . .

Turns Cor'n Depth fms. . . .

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr.
No. Stem

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Time Air
} .

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force { Surface
of Current. Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder 11-1023

SOUNDING WIRE

M. DOWN. | UP. M.

FMS.

DREDGING CABLE

M. DOWN. | UP. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. Date, , 19 . . .
 Hydrog. } Reel Shot } Lead } lbs.
 Sdg. Mch. Cor'n Depth fms.
 Turns Cor'n Amt. Bot'm Sample
 Sdg. Cup
 Character of Bottom
 Thermom. { Make Cor'n { Instr.
 { No. Stem.
 Bottom Reading Cor'd Temp.
 Temp. Surf. { Time { Air
 { Time
 Density: Surf. fms.
 Wind: Direction Force
 Baromet. Amt. of Clouds State of Sea
 Weather
 Direction and Force { Surface
 of Current. { Bottom
 Tide
 General Locality
 Position
 Chart used: No. Ed'n
 Drift: Direction Distance
 Depth of Haul
 Apparatus and Rig used
 Time towing h. m.
 Remarks:
 Deck Officer Recorder
 11-1023

SOUNDING WIRE.

M. DOWN. | UP. . M.

FMS.

DREDGING CABLE.

M. DOWN. | UP. . M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. Date, , 19
 Hydrog. }
 Sdg. Mech. Reel Shot } lbs.
 Turns Cor'n Depth fms.
 Sdg. Cup Amt. Bot'm Sample
 Character of Bottom
 Thermom. { Make Cor'n { Instr.
 No. Stem.
 Bottom Reading Cor'd Temp.
 Temp. Surf. { Time Air }
 Time
 Density: Surf. fms.
 Wind: Direction Force
 Baromet. Amt. of Clouds State of Sea
 Weather
 Direction and Force { Surface
 of Current. Bottom
 Tide
 General Locality
 Position
 Chart used: No. Ed'n
 Drift: Direction Distance
 Depth of Haul
 Apparatus and Rig used
 Time towing h. m.
 Remarks:
 Deck Officer Recorder
 11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.			
M.	DOWN.	UP.	M.	M.	DOWN.	UP.	M.
			0				
			100				
			200				
			300				
			400				
			500				
			600				
			700				
			800				
			900				
			1000				
			1100				
			1200				
			1300				
			1400				
			1500				
			1600				
			1700				
			1800				
			1900				
			2000				
			2100				
			2200				
			2300				
			2400				
			2500				
			2600				
			2700				
			2800				
			2900				
			3000				
			3100				
			3200				
			3300				
			3400				
			3500				
			3600				
			3700				
			3800				
			3900				
			4000				
			4100				
			4200				
			4300				
			4400				
			4500				
			4600				
			4700				
			4800				
			4900				

Dredge } No. Date, , 19
 Hydrog. }
 Sdg. Mch. Reel Shot } Lead lbs.
 Turns Cor'n Depth fms.
 Sdg. Cup Amt. Bot'm Sample
 Character of Bottom
 Thermom. { Make Cor'n { Instr.
 No. Stem
 Bottom Reading Cor'd Temp.
 Temp. Surf. { Time Time { Air
 Wind: Direction Force
 Baromet. Amt. of Clouds State of Sea
 Weather
 Direction and Force { Surface
 of Current. Bottom
 Tide
 General Locality
 Position
 Chart used: No. Ed'n
 Drift: Direction Distance
 Depth of Haul
 Apparatus and Rig used
 Time towing h. m.
 Remarks:
 Deck Officer Recorder
 11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.			
M.	DOWN.	UP.	M.	M.	DOWN.	UP.	M.
			0				
			100				
			200				
			300				
			400				
			500				
			600				
			700				
			800				
			900				
			1000				
			1100				
			1200				
			1300				
			1400				
			1500				
			1600				
			1700				
			1800				
			1900				
			2000				
			2100				
			2200				
			2300				
			2400				
			2500				
			2600				
			2700				
			2800				
			2900				
			3000				
			3100				
			3200				
			3300				
			3400				
			3500				
			3600				
			3700				
			3800				
			3900				
			4000				
			4100				
			4200				
			4300				
			4400				
			4500				
			4600				
			4700				
			4800				
			4900				

Dredge } No. _____ Date, _____, 19_

Hydrog. } Reel Shot } lbs.

Turns _____ Cor'n _____ Depth _____ fms.

Sdg. Cup Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make _____ Cor'n { Instr. _____
No. _____ Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { Time _____ } Air _____
Time _____ }

Density: Surf. fms.

Wind: Direction _____ Force _____

Baromet. _____ Amt. of Clouds _____ State of Sea _____

Weather _____

Direction and Force of Current { Surface _____
Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n. _____

Drift: Direction Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Derk Officer _____ Recorder _____

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. _____ Date, _____, 19_____

Hydrog. } Reel _____ Shot } lbs.

Turns _____ Cor'n _____ Depth _____ fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make _____ Cor'n { Instr. _____
No. _____ Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { Time _____ Air {
Surf. _____ Time _____

Density: Surf. _____ fms.

Wind: Direction _____ Force _____

Baromet. _____ Amt. of Clouds _____ State of Sea. _____

Weather _____

Direction and Force { Surface _____
of Current. Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks:

Deck Officer _____ Recorder. _____

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M.	DOWN.	UP.	M.	M.	UP.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. Date, , 19.
Hydrog. } Reel Shot } lbs.

Sdg. Mch. Cor'n Depth fms.
Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd. Temp.

Temp. Surf. { Time Air
Time

Density: Surf. fms.

Wind: Direction Force
Baromet. Amt. of Clouds State of Sea.

Weather

Direction and Force { Surface
of Current. Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.

M. DOWN. | UP. M.

FMS.

DREDGING CABLE.

M. DOWN. UP. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. ----- Date, -----, 19-
Hydrog. }

Sdg. Mch. ----- Reel ----- Shot }
----- Leads ----- lbs.

Turns ----- Cor'n ----- Depth ----- fms.

Sdg. Cup ----- Amt. Bot'm Sample -----

Character of Bottom -----

Thermom. { Make ----- Cor'n { Instr. -----
No. ----- Stem. -----

Bottom Reading ----- Cor'd. Temp.

Temp. Surf. { Time ----- { , tir }
Time -----

Density: Surf. ----- fms.

Wind: Direction ----- Force -----

Baromet. ----- Amt. of Clouds ----- State of Sea -----

Weather -----

Direction and Force { Surface
of Current. { Bottom -----

Tide -----

General Locality -----

Position -----

Chart used: No. ----- Rd'n -----

Drift: Direction ----- Distance -----

Depth of Haul -----

Apparatus and Rig used -----

----- Time towing ----- h. ----- m.

Remarks: -----

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M.	DOWN.	UP.	M.	M.	UP.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. Date, , 19
Hydrog } .

Sdg. Mch. Reel Shot }
Sdg. Cup Amt. Bot'm Lead } lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time { Air }
Baromet. Amt. of Clouds State of Sea

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force { Surface
of Current. Bottom

Tide

General Locality

Position

Chart used: No. Rad'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

DREDGING CABLE.

M. Down. | Up. | M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. Date, 19...

Sdg. Mch. Reel Shot } Lead lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Time { Air }

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force { Surface
of Current. { Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. Date, , 19
Hydrog. }

Sdg. Mch. Reel Shot } Lead } lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. Make Cor'n Instr. ---
No. Cor'n Stem.

Bottom Reading Cor'd. Temp.

Temp. Surf. Time Time Air

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force Surface ---
of Current. Bottom ---

Tide ---

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used ---

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
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			1600			
			1700			
			1800			
			1900			
			2000			
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			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. Date, , 19
 Hydrog. }
 Sdg. Mch. Reel Shot } lbs.
 Turns Cor'n Depth fms.
 Sdg. Cup Amt. Bot'm Sample
 Character of Bottom
 Thermom. { Make Cor'n Instr.
 { No. Stem.
 Bottom Reading Cor'd Temp.
 Temp. Surf. { Time Air
 { Time
 Density: Surf. fms.
 Wind: Direction Force
 Baromet. Amt. of State of Sea
 Weather
 Direction and Force { Surface
 of Current. { Bottom
 Tide
 General Locality
 Position
 Chart used: No. Ed'n
 Drift: Direction Distance
 Depth of Haul
 Apparatus and Rig used
 Time towing h. m.
 Remarks:
 Deck Officer Recorder
 11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. _____ Date, _____, 19_____
Hydrog. }

Sdg. Mch. _____ Reel _____ Shot }
Sdg. Cup _____ Amt. Bot'm } lbs.
Character of Sample

Bottom Reading _____ Cor'd Temp. _____
Thermom. { Make _____ Cor'n { Instr.
 { No. _____ Stem.

Bottom Reading _____ Cor'd Temp. _____
Temp. Surf. { Time _____ } Air {
 { Time _____

Density: Surf. _____ fms.

Wind: Direction _____ Force _____
Baromet. _____ Amt. of Clouds _____ State of Sea _____

Weather _____

Direction and Force { Surface _____
of Current. { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Rd'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks:

Deck Officer

Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M.	DOWN.	UP.	M.	M.	UP.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. _____ Date, _____, 19_____
Hydrog. }

Sdg. Mech. _____ Reel _____ Shot } _____ lbs.
Lead }

Turns _____ Cor'n _____ Depth _____ fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make _____ Cor'n { Instr. _____
No. _____ Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { Time _____ } Air {
Time _____ }

Density: Surf. _____ fms. _____

Wind: Direction _____ Force _____

Baromet. _____ Amt. of Clouds _____ State of Sea _____

Weather _____

Direction and Force { Surface _____
of Current. Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing: _____ h. _____ m.

Remarks: _____

SOUNDING WIRE		FMS.	DREDGING CABLE.	
M. DOWN.	UP.	M.	M.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		
		4100		
		4200		
		4300		
		4400		
		4500		
		4600		
		4700		
		4800		
		4900		

Dredge No. _____ Date, _____, 19_____
 Hydrog. No. _____ Reel _____ Shot
 Sdg. Mch. _____ Lead' _____ lbs.
 Turns _____ Cor'n _____ Depth _____ fms.
 Sdg. Cup _____ Amt. Bot'm Sample _____
 Character of Bottom _____
 Thermom. { Make _____ Instr. _____
 { No. _____ Cor'n { Stem. _____
 Bottom Reading _____ Cor'd Temp.
 Temp. Surf. { Time _____ { Air _____
 { Time _____
 Density: Surf. _____ fms.
 Wind: Direction _____ Force _____
 Baromet. _____ Amt. of Clouds _____ State of Sea _____
 Weather _____
 Direction and Force { Surface _____
 of Current. { Bottom _____
 Tide _____
 General Locality _____
 Position _____
 Chart used: No. _____ Ed'n _____
 Drift: Direction _____ Distance _____
 Depth of Haul _____
 Apparatus and Rig used _____
 Time towing, _____ h., _____ m.
 Remarks: _____
 Deck Officer _____ Recorder _____
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SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. _____ *Date*, _____, 19_____
Hydrog. }

Sdg. Mch. _____ *Reel* _____ *Shot* } _____ *lbs.*

Turns *Cor'n.* *Depth* *fms.*

Character of Bottom

Thermom. { *Make* *Cor'n* { *Instr.*
No. *Stem.*

Bottom Reading *Cor'd. Temp.*

$$Temp. Surf. \left\{ \begin{array}{c} Time \\ Time \end{array} \right\} \quad Air \left\{ \begin{array}{c} Time \\ Time \end{array} \right\}$$

Density: Surf. *1 ms.*

Wind: Direction _____ *Force* _____

Baromet. ----- *Clouds* ----- *State of
Sea* -----

*Direction and Force
of Current.* { *Surface*
Bottom

General Locality

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ *Distance* _____

Depth of haul _____

Apparatus and Its Use

Time towing *h.* *m.*

Remarks:

Deck Officer *Recorder*

Recorder -

SOUNDING WIRE.

M. DOWN.	UP.	M.

FMS.

0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
1400
1500
1600
1700
1800
1900
2000
2100
2200
2300
2400
2500
2600
2700
2800
2900
3000
3100
3200
3300
3400
3500
3600
3700
3800
3900
4000
4100
4200
4300
4400
4500
4600
4700
4800
4900

DREDGING CABLE.

M. DOWN.	UP.	M.

Dredge } No. Date, , 19
Hydrog. }

Sdg. Mch. Reel Shot } lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time { Air
.. Time |

Density: Surf. fms.

Wind: Direction. Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force { Surface ..
of Current. } Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. _____ Date, _____ , 19
Hydrog. }

Sdg. Mch. _____ Reel _____ Shot \
Turns _____ Cor'n _____ Depth _____ lbs.

Sdg. Cup _____ Amt. Bot'm _____ Sample _____

Character of Bottom _____

Thermom. { Make _____ Cor'n { Instr. _____
 { No. _____ Stem. _____

Bottom Reading _____ Cor'd Temp. _____

Temp. Surf. { Time _____ Air { _____
 { Time _____

Density: Surf. _____ fms.

Wind: Direction _____ Force _____

Baromet. _____ Amt. of Clouds _____ State of Sea _____

Weather _____

Direction and Force { Surface _____
of Current. { Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks:

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M.	DOWN.	UP.	M.	M.	UP.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge No. Date, , 19
 Hydrog. Reel Shot } lbs.
 Sdg. Mch. Cor'n Depth fms.
 Sdg. Cup Amt. Bot'm Sample
 Character of Bottom
 Thermom. { Make Cor'n { Instr.
 No. Stem.
 Bottom Reading Cor'd Temp.
 Temp. Surf. { Time } Air {
 Time
 Density: Surf. fms.
 Wind: Direction Force
 Baromet. Amt. of Clouds State of Sea
 Weather
 Direction and Force of Current. { Surface
 Bottom
 Tide
 General Locality
 Position
 Chart used: No. Ed'n
 Drift: Direction Distance
 Depth of Haul
 Apparatus and Rig used
 Time towing h. m.
 Remarks:

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredg ^e	No.	Date,	, 19
Hydrog.			
Sdg. Mech.		Reel	Shot
			Lead
Turns	Cor'n	Depth	fms.
Sdg. Cup		Amt. Bot'm Sample	
Character of Bottom			
Thermom.	Make _____ No. _____	Cor'n	Instr. Stem.
Bottom Reading		Cor'd Temp.	
Temp. Surf.		Time	
		Time	Air
Density: Surf.			fms.
Wind: Direction		Force	
Baromet.	Amt. of Clouds		State of Sea
Weather			
Direction and Force of Current.	Surface Bottom		
Tide			
General Locality			
Position			
Chart used: No.		Ed'n	
Drift: Direction		Distance	
Depth of Haul			
Apparatus and Rig used			
		Time towing	h.
			m.
Remarks:			
Deck Officer		Recorder	

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M.	Down.	Up.	M.	M.	Up.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge No. Date, , 79

Sdg. Mch. Reel Shot } Lead } lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Maker Cor'n { Instr.
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time } , Thr {
Surf. Time

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force of Current { Surface
of Current Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.		FMS.	DREDGING CABLE.	
M. DOWN.	UP.	M.	M. DOWN.	UP.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		
		4100		
		4200		
		4300		
		4400		
		4500		
		4600		
		4700		
		4800		
		4900		

Dredge } No. _____ Date, _____, 19_____
Hydrog. }

Sdg. Mch. _____ Reel _____ Shot }
_____ lbs.

Turns _____ Cor'n _____ Depth _____ fms.

Sdg. Cup _____ Int. Bot'm Sample

Character of
Bottom

Thermom. { Make _____ Cor'n { Instr.
{ No. _____ Stem.

Bottom Reading _____ Cor'd. Temp. _____

Temp. Surf. { Time _____ } Air _____
{ Time _____ }

Density: Surf. _____ fms.

Wind: Direction _____ Force _____

Baromet. _____ Amt. of Clouds _____ State of Sea _____

Weather _____

Direction and Force
of Current. { Surface _____
{ Bottom _____

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks:

Deck Officer _____ Recorder _____

SOUNDING WIRE.		FMS.	DREDGING CABLE.	
M. Down.	Up.	M.	M. Down.	Up.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		
		4100		
		4200		
		4300		
		4400		
		4500		
		4600		
		4700		
		4800		
		4900		

Dredge No. _____ Date, _____, 19_____
 Hydrog. }
 Sdg. Mel. _____ Reel _____ Shot } lbs.
 Turns _____ Cor'n _____ Depth _____ fms.
 Sdg. Cup _____ Amt. Bot'm Sample _____
 Character of Bottom _____
 Thermom. { Make _____ Cor'n { Instr. _____
 No. _____ Stem. _____
 Bottom Reading _____ Cor'd. Temp. _____
 Temp. Surf. { Time _____ } Air _____
 Time _____
 Density: Surf. _____ fms.
 Wind: Direction _____ Force _____
 Baromet. _____ Amt. of Clouds _____ State of Sea _____
 Weather _____
 Direction and Force { Surface _____
 of Current. Bottom _____
 Tide _____
 General Locality _____
 Position _____
 Chart used: No. _____ Rd'n _____
 Drift: Direction _____ Distance _____
 Depth of Haul _____
 Apparatus and Rig used _____
 Time towing _____ h. _____ m.
 Remarks:
 Deck Officer _____ Recorder _____
 11-1023

SOUNDING WIRE.

M. DOWN. | UP. | M.

FMS.

DREDGING CABLE.

M. DOWN. | UP. | M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge No. _____ Date, _____, 19
Hydrog. { No. _____

Sdg. Mch. _____ Reel _____ Shot {
Lead } lbs.

Turns _____ Cor'n _____ Depth _____ fms.

Sdg. Cup _____ Amt. Bot'm Sample _____

Character of Bottom _____

Thermom. { Make _____ Cor'n { Instr.
No. _____ Stem.

Bottom Reading _____ Cor'd Temp.

Temp. Surf. { Time _____ } Air {
Surf. _____ Time _____ }

Density: Surf. _____ fms.

Wind: Direction _____ Force _____

Baromet. _____ Amt. of Clouds _____ State of Sea _____

Weather _____

Direction and Force { Surface
of Current. Bottom }

Tide _____

General Locality _____

Position _____

Chart used: No. _____ Ed'n _____

Drift: Direction _____ Distance _____

Depth of Haul _____

Apparatus and Rig used _____

Time towing _____ h. _____ m.

Remarks: _____

Deck Officer _____ Recorder _____ 11-1023

SOUNDING WIRE			FMS.	DREDGING CABLE		
M.	Down.	Up.	M.	M.	Up.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. Date, , 19
 Hydrog. }
 Sdg. Mch. Reel Shot } lbs.
 Turns Cor'n Depth fms.
 Sdg. Cup Amt. Bot'm Sample ...
 Character of Bottom
 Thermom. { Make Cor'n { Instr.
 { No. Stem.
 Bottom Reading Cor'd Temp.,
 Temp. Surf. { Time { Air
 { Time
 Density: Surf. fms.
 Wind: Direction Force
 Baromet. Amt. of State of
 Clouds Sea
 Weather
 Direction and Force { Surface
 { Bottom
 Tide

General Locality

Position

Chart used: No. Ndl'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer

Recorder--

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SOUNDING WIRE.		FMS.	DREDGING CABLE.	
M.	DOWN.	UP.	M.	M.
		0		
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		
		4100		
		4200		
		4300		
		4400		
		4500		
		4600		
		4700		
		4800		
		4900		

Dredge } No. Date, , 19
 Hydrog. }
 Sdg. Mch. Reel Shot \
 lbs.
 Turns Cor'n Depth fms.
 Sdg. Cup Amt. Bot'm Sample
 Character of Bottom
 Thermom. { Make Instr.
 No. Stem.
 Bottom Reading Cor'd Temp.
 Temp. Surf. { Time Air
 Time
 Density: Surf. fms.
 Wind: Direction Force
 Baromet. Amt. of State of
 Clouds Sea
 Weather
 Direction and Force { Surface
 of Current. Bottom
 Tide
 General Locality
 Position
 Chart used: No. Ed'n
 Drift: Direction Distance
 Depth of Haul
 Apparatus and Rig used
 Time towing h. m.
 Remarks:
 Deck Officer Recorder
 11-1023

SOUNDING WIRE.

M. DOWN. | UP. M.

FMS.

DREDGING CABLE.

M. DOWN. UP. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. Date, 19
Hydrog. }

Sdg. Mch. Reel Shot Leads lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Cor'n { Instr.
No. Cor'n { Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time } Air {
Time

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force of Current. { Surface
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. DOWN.	UP.	M.		M. DOWN.	UP.	M.
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

~~10.20~~ ~~13~~ ~~2~~
~~3~~ ~~2~~ ~~12~~
~~2~~ ~~1~~ ~~15~~
~~2~~ ~~1~~ ~~11~~

TN
Tach

Abbreviations for use

Recording Book.

bk.....	black
bl.....	blue
br.....	brown
br-gn.....	brownish green
brk.....	broken
C.....	Clay
Co.....	Coral
crs.....	coarse
dk.....	dark
fne.....	fine
For.....	Foraminifera
G.....	Gravel
Glob.....	Globigerina ?
gn.....	green
gn-br.....	greenish-brown
gn-gy.....	greenish-gray
gy.....	gray
hrd.....	hard
lav.....	lava
M.....	Mud
Oz.....	Ooze
P.....	Pebbles
R.....	Rock
rky.....	rocky
S.....	Sand
Sh.....	Shells
sml.....	small
Sp.....	Specks
St.....	Stones
vol.....	volcanic

pteropods

In case of an intermediate
give no. of fms. of cable out,
as before.